

STATEMENT OF BASIS

as per LAC 33:IX.3111, for Louisiana Pollutant Discharge Elimination System Permit No. LA0097888; AI30245; PER20060002 to discharge to waters of the State of Louisiana as per LAC 33:IX.3111.

The permitting authority for the Louisiana Pollutant Discharge Elimination System (LPDES) is:

Louisiana Department of Environmental Quality
Office of Environmental Services
P. O. Box 4313
Baton Rouge, Louisiana 70821-4313

I. **THE APPLICANT IS:** Gordon's Disposal, LLC
Gordon Doerle Type III Construction & Demolition Debris Landfill
614 Coteau Road
New Iberia, LA 70560

II. **PREPARED BY:** Angela W. Marse

DATE PREPARED: September 7, 2006

III. **PERMIT ACTION:** LPDES permit LA0097888, AI30245; PER20060002

LPDES permit issued: August 1, 2004
LPDES permit expired: July 31, 2009

IV. **MODIFICATIONS TO THE PERMIT:**

Gordon's disposal is expanding the currently permitted facility to include a maintenance shop, new oxidation pond, pickup station, and supporting storage areas. As a result of the expansion, the following permit modifications are proposed:

1. Removal of outfall 001. The oxidation pond in this area will be used for waste disposal as per the LDEQ Solid Waste Permit modification approved on July, 29, 2005.
2. Addition of a new oxidation pond and corresponding new outfall, 003. Besides stormwater from the active fill area, stormwater from the pickup station and woodwaste storage area will drain to the new oxidation pond.
3. Addition of outfall 004 that drains stormwater from the maintenance shop area, truck parking area, and a storage area (for roll-off containers, front lift containers, and port-o-lets).
4. Additions of vehicle/equipment wash area and corresponding outfall, internal outfall 104.

V. **FACILITY INFORMATION:**

- A. The modification is for the discharge of treated stormwater, treated washwater, and stormwater from supporting storage areas at Gordon's Doerle Type III Construction & Demolition Debris Landfill.
- B. The facility is located at 614 Coteau Road, in New Iberia, St. Martin Parish.
- C. There is no treatment for non-contact stormwater (004). Stormwater from areas draining to 003 will go through the oxidation pond before being discharged. The facility will incorporate the new stormwater discharge outfalls (003 and 004) into their Stormwater Pollution Prevention Plan. Discharges from internal outfall 104 will pass through an oil/water skimmer before being discharged and stormwater from the pickup area will be sent to the oxidation pond.

D. Outfall 003

Discharge Location: Latitude 30°03'33"North
Longitude 91°53'25" West

Description: stormwater from the active fill area, the pickup station area, overnight parking area for trailers, and the woodwaste storage area

Design Capacity: 0.266 MGD

Type of Flow Measurement which the facility is currently using: stormwater calculation

Outfall 004

Discharge Location: Latitude 30°03'31"North
Longitude 91°53'28" West

Description: non-contact stormwater from administrative area, the maintenance shop area, parking area for trucks, and storage area for roll-offs containers, front-end loaders, and port-o-lets.

Design Capacity: 0.105 MGD

Type of Flow Measurement which the facility is currently using: stormwater calculation

Outfall 104

Discharge Location: Latitude 30°03'28"North
Longitude 91°53'27" West

Description: vehicle/equipment washwater

Design Capacity: 0.0007 MGD

Type of Flow Measurement which the facility is currently using: engineering calculation
based on pumping

VI.

RECEIVING WATERS:

The discharge is into an unnamed ditch, thence into Bayou Tortue in segment 060908 of the Vermilion-Teche River Basin. This segment is listed on the 303(d) list of impaired waterbodies.

The designated uses and degree of support for Segment 060908 of the Vermilion-Teche River Basin are as indicated in the following table^{1/}:

Overall Degree of Support for Segment	Degree of Support of Each Use						
	Primary Contact Recreation	Secondary Contact Recreation	Propagation of Fish & Wildlife	Outstanding Natural Resource Water	Drinking Water Supply	Shell fish Propagation	Agriculture
Fully	Fully Supporting	Fully Supporting	Not Supporting	N/A	N/A	N/A	N/A

^{1/}The designated uses and degree of support for Segment 060908 of the Vermilion-Teche River Basin are as indicated in LAC 33:IX.1123.C.3, Table (3) and the 2004 Water Quality Management Plan, Volume 5, Part B, Water Quality Inventory, respectively.

Section 303(d) of the Federal Clean Water Act requires states to identify waterbodies that are not meeting water quality standards and to develop total maximum daily pollutant loads for those waterbodies. A pollutant is any substance introduced into the waters of the state by any means that would tend to degrade or impair the chemical, physical, biological, integrity of such environment. Segment 060908 of the Vermilion-Teche River Basin is on the 303(d) list of impaired waters. The suspected cause of impairment is organic enrichment/low DO. Section 303(d) of the Federal Clean Water Act further requires that states develop TMDL management plans for waterbodies determined to be water quality limited. TMDL studies for this subsegment are complete.

The Spanish Lake TMDL for Dissolved Oxygen indicated that non-point source loads need to be reduced by approximately 40 % in Spanish Lake to achieve the DO standard. Non-point source discharges are defined as a diffuse source of water pollution that flows freely across the surface such as agricultural or urban runoff. Discharges from the Gordon Doerle site are categorized as point sources; they flow through a discrete conveyance like a ditch or pipe. Also, most of the area in the subsegment drains to Bayou Tortue. Bayou Tortue flows to Spanish Lake. Since the point source discharges are not directly into Spanish Lake, no permit limits for DO were put in the permit. That will not change with the modification of the permit.

VII. ENDANGERED SPECIES:

The receiving waterbody, Subsegment 060908 of the Vermilion-Teche River Basin, is listed in Section II.2 of the Implementation Strategy as requiring consultation with the U. S. Fish and Wildlife Service (FWS). This strategy was submitted with a letter dated October 21, 2005 from Watson (FWS) to Gautreaux (LDEQ). However, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required based on the type of facility. Nonetheless, it was determined that the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat. (See correspondence dated April 25, 2006 between Providence Engineering and Environmental Group, LLC and the FWS.) The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat.

VIII. HISTORIC SITES:

The discharge is from a facility expansion. The permittee has consulted with the State Historic Preservation Officer (SHPO) in a letter dated April 25, 2005 to determine whether construction-related activities could potentially affect sites or properties on or eligible for listing on the National Register of Historic Places. SHPO's response letter, dated May 17, 2005, stated that the facility expansion will have no potential effects.

PUBLIC NOTICE:

Upon publication of the public notice in the Department of Environmental Quality Public Notice Mailing List and a local newspaper of general circulation, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit to the LDEQ contact person, listed below, and may request a public hearing to clarify issues involved in the permit decision. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

For additional information, contact:

Mrs. Angela Marse
 Permits Division
 Department of Environmental Quality
 Office of Environmental Services
 P. O. Box 4313
 Baton Rouge, Louisiana 70821-4313

X.

PROPOSED PERMIT LIMITS:

Final Effluent Limits:

OUTFALL 003

The permittee has expanded the facility. Outfall 003 has been added to the permit for the discharge of stormwater from the active fill area, stormwater falling on the pickup station area, overnight parking area for trailers, and the woodwaste storage area. Runoff from these areas is treated in an on-site oxidation pond as it may contain pollutants associated with the operation of the landfill. For this reason, proposed effluent limits for outfall 003 are the same as those for outfall 001 in the permit issued August 1, 2004. (Outfall 001 was for discharges from the old oxidation pond that will be eliminated with the modification.) These effluent limits were based on 40 CFR 445. Effluent Limitations Guidelines for the Landfills Point Source Category. This is also consistent with LPDES General Permit LAG780000 for construction/demolition debris and woodwaste landfills.

Final limits shall become effective on the effective date of the permit modification and expire on the expiration date of the permit.

Effluent Characteristic	Monthly Avg.	Daily Max.	Basis
CBOD ₅	37 mg/l	140 mg/l	Effluent Limitations Guidelines for Landfills Point Source Category (40 CFR 445).
TSS	27 mg/l	88 mg/l	Effluent Limitations Guidelines for Landfills Point Source Category (40 CFR 445).
TOC	---	50 mg/l	Effluent Limitations Guidelines for Landfills Point Source Category (40 CFR 445).
Oil & grease	---	15 mg/l	Effluent Limitations Guidelines for Landfills Point Source Category (40 CFR 445).
Ammonia-nitrogen	4.9 mg/l	10 mg/l	Effluent Limitations Guidelines for Landfills Point Source Category (40 CFR 445).
Alpha Terpineol	0.016 mg/l	0.33 mg/l	Effluent Limitations Guidelines for Landfills Point Source Category (40 CFR 445).
Benzoic Acid	0.071 mg/l	0.12 mg/l	Effluent Limitations Guidelines for Landfills Point Source Category (40 CFR 445).
p-Cresol	0.014 mg/l	0.025 mg/l	Effluent Limitations Guidelines for Landfills Point Source Category (40 CFR 445).
Phenol	0.015 mg/l	0.026 mg/l	Effluent Limitations Guidelines for Landfills Point Source Category (40 CFR 445).
Zinc	---	0.20 mg/l	Effluent Limitations Guidelines for Landfills Point Source Category (40 CFR 445).

Other Effluent Limitations:

1) pH

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time. (Limits as established through BPJ considering BCT for similar waste streams in accordance with LAC 33:IX.5905.C.)

2) Solids and Foam

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

Final Effluent Limits:

OUTFALL 004

Outfall 004 is a new outfall. This outfall is for the discharge of stormwater runoff from around the maintenance shop, the administrative area, the parking area for trucks, and the storage area for roll-off containers, front-end loaders, and port-o-lets.. This is considered stormwater associated with industrial activities. Therefore, effluent limits are consistent with those in the MultiSector General Permit, Sector L, Landfills and Land Application Sites.

Effluent Characteristic	Monthly Avg.	Daily Max.	Basis
TOC	---	50 mg/l	MultiSector General Permit – Sector L and previously issued water discharge permits for similar facilities/effluents.
Oil & grease	---	15 mg/l	MultiSector General Permit – Sector L and previously issued water discharge permits for similar facilities/effluents.
Total Recoverable Iron	---	Report mg/l	MultiSector General Permit – Sector L and previously issued water discharge permits for similar facilities/effluents.

Other Effluent Limitations:

1) pH

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time. (Limits as established through BPJ considering BCT for similar waste streams in accordance with LAC 33:IX.5905.C.)

2) Solids and Foam

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

OUTFALL 104

The permittee has constructed a maintenance shop and vehicle/equipment wash station. Internal outfall 104 is for the discharge of vehicle and equipment washwater. Washwater will go through a oil/water skimmer before being discharged with stormwater runoff from outfall 004. Effluent limits for internal outfall 104 are based on vehicle and equipment washwater parameters found in LPDES General Permit LAG480000 for light commercial facilities.

Effluent Characteristic	Monthly Avg.	Daily Max.	Basis
TSS	---	45 mg/l	General Permit LAG480000 for Light Commercial Facilities (Schedule B for Exterior Vehicle and Equipment Washing. (8/1/2006)
COD	200 mg/l	300 mg/l	General Permit LAG480000 for Light Commercial Facilities (Schedule B for Exterior Vehicle and Equipment Washing. (8/1/2006)
Oil & grease	---	15 mg/l	General Permit LAG480000 for Light Commercial Facilities (Schedule B for Exterior Vehicle and Equipment Washing. (8/1/2006)
Soaps and/or Detergents	N/A	N/A	General Permit LAG480000 for Light Commercial Facilities (Schedule B for Exterior Vehicle and Equipment Washing. (8/1/2006)
Visible Sheen	---	No Presence	General Permit LAG480000 for Light Commercial Facilities (Schedule B for Exterior Vehicle and Equipment Washing. (8/1/2006)

Other Effluent Limitations:

1) pH

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time. (Limits as established through BPJ considering BCT for similar waste streams in accordance with LAC 33:IX.5905.C.)

2) Solids and Foam

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

XI.

TENTATIVE DETERMINATION

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to issue a permit modification for the discharge described in this Statement of Basis.

XII

REFERENCES:

Louisiana Water Quality Management Plan, Vol. 5-B, "Water Quality Inventory", Louisiana Department of Environmental Quality, 1998.

Louisiana Administrative Code, Title 33 - Environmental Quality, Part IX - Water Quality Regulations, Chapter 11 - "Louisiana Surface Water Quality Standards", Louisiana Department of Environmental Quality, 2004.

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Louisiana Administrative Code, Title 33 - Environmental Quality, Part IX - Water Quality Regulations, Subpart 2 - "The LPDES Program", Louisiana Department of Environmental Quality, 2004.

LPDES Application for Modification to LPDES Permit No. LA0097888, Gordon's Disposal, Gordon Doerle Type III Construction & Demolition Debris Landfill, April 13, 2006.

LPDES Permit LA0097888, Gordon Doerle Type III Construction & Demolition Debris Landfill, effective August 1, 2004.